



Docket No.: M4065.0594/P594-A

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Joel A. Drewes

Application No.: 10/644,882

Art Unit: 2818

Filed: August 21, 2003

Examiner: Thinh T. Nguyen

For: METHOD FOR MANUFACTURE OF

MRAM BITS

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS Non-Fee Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated March 31, 2004 (Paper No. 031604), please amend the above-identified U.S. patent application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 7 of this paper.

PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Complete if Known

FEE TRANSMITTAL for FY 2004

APR 1 4 2004

10/644,882-Conf. #6842 **Application Number** August 21, 2003 Filing Date Joel A. Drewes First Named Inventor Effective 10/01/2003, Patent fees are subject to annual revision. Examiner Name Not Yet Assigned N/A Applicant claims small entity status. See 37 CFR 1.27 Art Unit

Applicant claims sm	all entity status. See 37 CFR 1.27	l	Art Ur	nit		N/A	
TOTAL AMOUNT OF PAYMENT (\$) 0.00				ey Doo	cket No	o. M4065.0594/P594-A	
METHOD OF PAY	FEE CALCULATION (continued)						
Check Credit Card	3. ADDITIONAL FEES						
X Deposit Account:			Entity	Small	Entity		
Deposit Account Number 04-1073			Fee (\$)	Fee Code	Fee (\$)	- Fee Description Fee Pai	
Deposit Account Account			130	2051	65	Surcharge – late filing fee or oath	
Account Name Oshinsky LLP The Director is authorized to: (check all that apply)			50	2052	25	Surcharge – late provisional filing fee or cover sheet.	
X Charge fee(s) indicated below X Credit any overpayments			130	1053	130	Non-English specification	
Charge any additional fee(s) or any underpayment of fee(s)			2,520	1812	2,520	For filing a request for ex parte reexamination	
X Charge fee(s) indicated below, except for the filing fee			920*	1804	920*	Requesting publication of SIR prior to Examiner action	
to the above-identified deposit account.			1,840*	1805	1,840*	D	
FEE CALCULATION			110	2251	55	Extension for reply within first month	
I. BASIC FILING FEE		1252	420	2252	210	Extension for reply within second month	
Large Entity Small Entity		1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Code (\$)	Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385	Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170	Design filing fee	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265	Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385	Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80	Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUPTOTAL (1) (5) 0.00			110	2452	55	Petition to revive – unavoidable	
SUBTOTAL (1) (\$) 0.00			1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			1,330	2501	665	Utility issue fee (or reissue)	
•	Extra Fee from Claims below Fee Paid	1502	480	2502	240	Design issue fee	
otal Claims 16 -20** =	x = 0.00	1503	640	2503	320	Plant issue fee	
ndependent 2 -3** =	x = 0.00	1460	130	1460	130	Petitions to the Commissioner	
Claims L_2 3 = Multiple Dependent	=	1807	50	1807	50	Processing fee under 37 CFR 1.17(g)	
Large Entity Small Entity			180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Fee	Fee Description	8021	40	8021	40	Recording each patent assignment per	
	aims in excess of 20	1809	770	2809	385	property (times number of properties) Filing a submission after final rejection (37 CFR 1.129(a))	
	dependent claims in excess of 3	1040	770	2042	205	For each additional invention to be	
	Iltiple dependent claim, if not paid	1810	770	2810	385	examined (37CFR 1.129(b))	
	Reissue independent claims over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18 2205 9 **!	Reissue claims in excess of 20 and over original patent	1802 Other 1	900 fee (spe	1802	900	Request for expedited examination of a design application	
	l	Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00					
SUBTO	*Redu	ced by E	Basic Fil	ling Fee	Paid SUBTOTAL (3) (\$) 0.0		
or number previously paid, if	greater; For Reissues, see above	i					

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Attorney/Agent) 20,571 Felephone (202) 826-2252	2
Signature Date April 14, 2004	

PTO/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE RACE IRACE SOL Junder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL 10/644,882-Conf. #6842 **Application Number** August 21, 2003 Filing Date for FY 2004 Joel A. Drewes First Named Inventor Effective 10/01/2003, Patent fees are subject to annual revision. **Examiner Name** Not Yet Assigned N/A Applicant claims small entity status. See 37 CFR 1.27 Art Unit M4065.0594/P594-A TOTAL AMOUNT OF PAYMENT Attorney Docket No. 0.00FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) Money 3. ADDITIONAL FEES Check Other Order Deposit Account: х Large Entity Small Entity Deposit Fee ccount 04-1073 Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid Number Deposit Dickstein Shapiro Morin & 1051 130 2051 65 Surcharge - late filing fee or oath Account Oshinsky LLP Name Surcharge - late provisional filing fee or cover 1052 50 2052 25 The Director is authorized to: (check all that apply) X Charge fee(s) indicated below X Credit any overpayments 1053 130 1053 130 Non-English specification Charge any additional fee(s) or any underpayment of fee(s) 1812 2.520 1812 2.520 For filing a request for ex parte reexamination Requesting publication of SIR prior to 920* 920* 1804 1804 Charge fee(s) indicated below, except for the filing fee Examiner action Requesting publication of SIR after to the above-identified deposit account. 1.840 1.8401 1805 1805 Examiner action **FEE CALCULATION** 110 2251 Extension for reply within first month 1251 1. BASIC FILING FEE 1252 420 2252 Extension for reply within second month Large Entity Small Entity 1253 950 2253 Extension for reply within third month Fee Fee Description Fee Paid 1.480 1254 2254 Extension for reply within fourth month (\$) (\$) 2001 2255 Extension for reply within fifth month 1001 770 385 Utility filing fee 1255 2.010 1.005 1002 340 2002 170 Desian filina fee 1401 330 2401 Notice of Appeal 165 1003 530 2003 265 Plant filing fee 1402 330 2402 165 Filing a brief in support of an appeal 1004 770 2004 385 Reissue filing fee 1403 290 2403 145 Request for oral hearing 1005 160 2005 Provisional filing fee 1451 1.510 1451 Petition to institute a public use proceeding 110 1452 2452 55 Petition to revive - unavoidable SUBTOTAL (1) 0.00 1453 1,330 2453 Petition to revive - unintentional 665 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 Utility issue fee (or reissue) Extra Fee from 1502 480 2502 240 Design issue fee Fee Paid Claim below Total Claims 16 -20** = 2503 0.00 1503 640 Plant issue fee Independent 1460 130 1460 130 Petitions to the Commissioner 2 -3** 0.00 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) Multiple Dependent 180 1806 1806 180 Submission of Information Disclosure Stmt Large Entity Small Entity Recording each patent assignment per Fee Fee Description 8021 40 8021 40 Code (\$) Code (\$) property (times number of properties) Filing a submission after final rejection 1202 2202 18 9 Claims in excess of 20 2809 1809 770 385 (37 ČFR 1.129(a)) 2201 1201 86 43 Independent claims in excess of 3 For each additional invention to be 1810 770 2810 385 1203 290 2203 Multiple dependent claim, if not paid 145 examined (37CFR 1.129(b)) 1204 86 2204 Reissue independent claims 1801 2801 43 770 385 Request for Continued Examination (RCE) over original patent Request for expedited examination 1802 900 1802 900 1205 2205 Reissue claims in excess of 20 of a design application 18 9 and over original patent Other fee (specify) SUBTOTAL (2) (\$) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00 0.00 **or number previously paid, if greater; For Reissues, see above

SUBMITTED BY (Complete (if applicable))								
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Signature	fe	32	Date	April 14, 2004				